

What is claimed:

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- 1) A nutritionally balanced, traditional snack food having a water activity of less than 0.90; and comprising, on a 30 gram basis:
    - 5 a.) at least 5 grams of an amino acid source;
    - b.) less than 3 grams of a digestible fat; and
    - c.) a carbohydrate that provides at least about 2.5 grams of dietary fiber.
  - 2) The traditional snack food of Claim 1 having a water activity of less than 0.85 and comprising an adjunct ingredient.
  - 3.) The traditional snack food of Claim 1 comprising from 5 grams to 10 grams of an amino acid source and from about 2.5 grams to about 5.0 grams of dietary fiber.
  - 4.) The traditional snack food of Claim 1 wherein said amino acid and fiber sources are at least 75% active; and said fiber is selected from the group consisting of soluble fiber having a viscosity of from 1 to 2 centipoise for a 10% solution at 25°C, insoluble fiber having a particle size of less than 150 microns and a water absorption of less than 7.0 grams per gram of fiber, and mixtures thereof.
  - 5.) The traditional snack food of Claim 1 having an amino acid score from 0.60 to 1.00.
  - 6.) The traditional snack food of Claim 1 comprising less than 2 grams of digestible saturated fat.
  - 7.) The traditional snack food of Claim 6 comprising less than 2/3 of a gram of digestible saturated fat.
  - 8.) The traditional snack food of Claim 1 further comprising a material selected from the group consisting of non-digestible lipids, partially digestible lipids, and mixtures thereof.
  - 9.) The traditional snack food of Claim 1 wherein said food is a filled cracker, cracker, snack crisp, or potato crisp.
  - 10.) The traditional snack food of Claim 1 comprising a material selected from the group consisting of arabinogalactan fiber, beta-glucan soluble fiber, and mixtures thereof.

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- 11.) The traditional snack food of Claim 1 comprising fluoride; sodium; potassium; and from about 10% to about 100% of the U.S. RDI of the vitamins A, D, E, K, C, thiamin, riboflavin, niacin, vitamin B<sub>6</sub>, folate, vitamin B<sub>12</sub>, biotin, and pantothenic acid and from about 10% to about 100% of the U.S. RDI of the minerals calcium, phosphorus, magnesium, iron, zinc, iodine, selenium, copper, manganese, chromium, molybdenum, and chloride.
- 12.) A nutritionally balanced, traditional snack food having a water activity of less than 0.90; and comprising, on a 40 gram basis:
- a.) at least 5 grams of an amino acid source;
  - b.) less than 3 grams of a digestible fat; and
  - c.) a carbohydrate that provides at least about 2.5 grams of dietary fiber.
- 13.) The traditional snack food of Claim 12 having a water activity of less than 0.85 and comprising an adjunct ingredient.
- 14.) The traditional snack food of Claim 12 comprising from 5 grams to 13 grams of an amino acid source and from about 2.5 grams to about 6.5 grams of dietary fiber.
- 15.) The traditional snack food of Claim 12 wherein said amino acid and fiber sources are at least 75% active; and said fiber is selected from the group consisting of soluble fiber having a viscosity of from 1 to 2 centipoise for a 10% solution at 25°C, insoluble fiber having a particle size of less than 150 microns and a water absorption of less than 7.0 grams per gram of fiber, and mixtures thereof.
- 16.) The traditional snack food of Claim 12 having an amino acid score from 0.60 to 1.00.
- 17.) The traditional snack food of Claim 12 comprising less than 2 grams of digestible saturated fat.
- 18.) The traditional snack food of Claim 17 comprising less than 2/3 of a gram of digestible saturated fat.
- 19.) The traditional snack food of Claim 12 comprising a non-digestible or partially digestible lipid.
- 20.) The traditional snack food of Claim 12 wherein said food is a filled cracker, cracker, spread, cookie, snack crisp, brownie or potato crisp.

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21.) The traditional snack food of Claim 12 comprising a material selected from the group consisting of arabinogalactan fiber, beta-glucan soluble fiber, and mixtures thereof.

- 5 22.) The traditional snack food of Claim 12 comprising fluoride; sodium; potassium; and, on a 30 gram basis, from about 10% to about 100% of the U.S. RDI of the vitamins A, D, E, K, C, thiamin, riboflavin, niacin, vitamin B<sub>6</sub>, folate, vitamin B<sub>12</sub>, biotin, and pantothenic acid and from about 10% to about 100% of the U.S. RDI of the minerals calcium, phosphorus, magnesium, iron, zinc, iodine, selenium, copper, manganese, chromium, molybdenum, and chloride.

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23.) A mix system for producing the nutritionally balanced, traditional snack food of Claim 12 said mix system comprising a mix that comprises:

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- a.) at least about 18.5% amino acid source;
- b.) no more than about 5.5% digestible fat; and
- c.) a carbohydrate that provides at least about 8.7% dietary fiber.

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24.) The mix system of Claim 23 wherein said amino acid and fiber sources of said mix are at least 75% active; and said fiber is selected from the group consisting of soluble fiber having a viscosity of from 1 to 2 centipoise for a 10% solution at 25°C, insoluble fiber having a particle size of less than 150 microns and a water absorption of less than 7.0 grams per gram of fiber, and mixtures thereof.

25.) The mix system of Claim 23 wherein said mix comprises no more than about 5.5% digestible saturated fat.

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26.) The mix system of Claim 25 wherein said mix comprises no more than about 0.9% digestible saturated fat.

27.) The mix system of Claim 23 wherein said mix comprises a material selected from the group consisting of non-digestible lipids, partially digestible lipids, and mixtures thereof.

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28.) The mix system of Claim 23 wherein said mix comprises a material selected from the group consisting of arabinogalactan fiber, beta-glucan soluble fiber, and mixtures thereof.

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29.) The mix system of Claim 23 wherein said mix comprises fluoride; sodium; potassium; and a sufficient amount of vitamins and minerals to provide the finished traditional snack food with, on a 30 gram basis, from about 10% to about 100% of the U.S. RDI of the vitamins A, D, E, K, C, thiamin,

riboflavin, niacin, vitamin B<sub>6</sub>, folate, vitamin B<sub>12</sub>, biotin, and pantothenic acid and from about 10% to about 100% of the U.S. RDI of the minerals calcium, phosphorus, magnesium, iron, zinc, iodine, selenium, copper, manganese, chromium, molybdenum, and chloride.

- 5 30.) The mix system of Claim 23 comprising a separately packaged shortening that comprises a material selected from the group consisting of non-digestible lipids, partially digestible lipids, and mixtures thereof; and said mix system having a ratio of separately packaged shortening to mix of less than about 0.34:1.
- 10 31.) The mix system of Claim 30 having a ratio of digestible fat to total non-digestible lipids, partially digestible lipids, and mixtures thereof; of no more than about 1:2.5.

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